For students following the 2011-2012 Undergraduate Bulletin

**Physics (PHYS)**

**Department Information**
Dr. Foek T. Hioe, Chair
Skalny 128  385-8162
fhioe@sjfc.edu

**Program Offerings**
Major  B.S. in Physics
       B.A. in Physics
Minor  A minor in Physics is available.

New York State has approved Physics as a content major both for Childhood Education and for Adolescence Physics Teaching Certification. Please refer to the College bulletin for these requirements.

**Degree Requirements**
Recommended progression of courses required for B.S. in Physics Option I*

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The following major courses also apply to the College Core:

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**GPA Requirement**
Students must achieve a 2.00 average in the major and must have an overall cumulative GPA of 2.00 to earn a Bachelor’s degree.

Note: Physics /Adolescence Education and Childhood Education/Physics majors are required to have a minimum cumulative GPA of 3.00 in the majors and minimum cumulative GPA of 2.75 prior to student teaching.

**Major Information**
The physics program is designed to prepare students for graduate study in physics, optics, astronomy, engineering, and professional studies in the medical fields. The program also prepares students for careers in science education, law, business management, science journalism, as well as for an industrial or government position.

**Planning Notes**
- Majors considering applying to graduate school in physics, engineering, or to medical or other health-related professional schools, or those considering the 3+2 pre-engineering program (see College Bulletin for details), the BS Physics is recommended
- Both the BA and the BS programs allow you to choose many hours of free electives outside the physics discipline. The free electives would enable you to double major in mathematics or computer science, or to minor in another discipline such as business management
- The B.S. in Physics Option II is recommended for students interested in science education.

All BA candidates must demonstrate completion of an appropriate two-course sequence in a single foreign language for graduation.

**Skills/Competencies for Success in the Major**
- It is assumed that students pursuing the Physics major have completed one year of high school physics and four years of high school mathematics.

**Related Programs & Suggested Minors**
Students pursuing a B.A. in Physics are required to complete a minor in another area of study. Most minors require a minimum of 18 credits.

**Experiential Opportunities** (Internships, Clinicals, Clubs & Organizations, etc.)
- The Physics Club is open to all students and provides activities to promote the Physics major and practical applications of physical sciences
- Majors may also get involved in the Student Government Association (SGA), and the Student Activities Board (SAB), as well as any of the campus clubs and organizations on campus. Check the Student Government website http://home.sjfc.edu/sga for further information.

**Career Opportunities & Related Fields**
- The Physics major prepares students for graduate study for careers in physics or astronomy, engineering, science education, the health professions, industrial or government positions, law and business management.
- For additional information: What Can I Do With A Major In..., http://home.sjfc.edu/CareerServices
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